Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/30/2017 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123867	-1	1.30	123744	1.25
Blue	F	SSC	125000	123163	-2	2.97	123517	2.81
Blue	E	FITC	23615	22648	-5	2.55	1014	10.09
Blue	D	PE	26739	26337	-2	1.95	946	9.98
Blue	B	PerCP-Cy5-5	48339	47003	-3	3.38	1348	17.22
Blue	A	PE-Cy7	45021	44256	-2	5.10	682	35.77
Red	C	APC	53064	52538	-1	2.94	3026	9.61
Red	A	APC-Cy7	57175	56345	-2	2.94	1169	11.34
Violet	B	V450	14728	13795	-7	4.74	661	9.31
Violet	A	V500	58621	56141	-5	4.62	2489	6.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19350	2.10	607	-7	N/A	N/A	Pass
Blue	F	SSC	60849	1.46	540	-6	N/A	N/A	Pass
Blue	E	FITC	112	38.37	544	-4	0.0215	134	Pass
Blue	D	PE	207	28.51	535	-1	0.1457	183	Pass
Blue	B	PerCP-Cy5-5	208	45.33	631	-4	0.0096	60	Pass
Blue	A	PE-Cy7	73	121.30	690	-3	0.0117	15	Pass
Red	C	APC	352	27.80	598	1	0.0198	50	Pass
Red	A	APC-Cy7	127	40.43	580	0	0.0054	1486	Pass
Violet	B	V450	80	38.94	469	-1	0.0426	1268	Pass
Violet	A	V500	181	21.27	497	0	0.0144	21	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.64	0.81
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.53	14.40 - 21.60	N/A	N/A	31.37	31.94	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14013

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments